RECEIVED
AUG 11
TECH CENTER 1600/2900
ENTERED
1600

RAW SEQUENCE LISTING DATE: 08/05/2003
PATENT APPLICATION: US/09/666,267B TIME: 07:43:32

Input Set : A:\ON0065C Div1.ST25.txt
Output Set: N:\CRF4\08052003\I666267B.raw

<110> APPLICANT: Brady, William
Linsley, Peter S.
Ledbetter, Jeffrey A.
Damle, Nitin K.
<120> TITLE OF INVENTION: LIGAND FOR CD28 RECEPTOR ON B CELLS AND METHODS
<130> FILE REFERENCE: ON0065C Div 1/30436.11US06
<140> CURRENT APPLICATION NUMBER: 09/666,267B
<141> CURRENT FILING DATE: 2000-09-21
<150> PRIOR APPLICATION NUMBER: 07/498,949
<151> PRIOR FILING DATE: 1990-03-26
<150> PRIOR APPLICATION NUMBER: 07/547,980
<151> PRIOR FILING DATE: 1990-07-02
<150> PRIOR APPLICATION NUMBER: 07/722,101
<151> PRIOR FILING DATE: 1991-06-27
<150> PRIOR APPLICATION NUMBER: 08/219,200
<151> PRIOR FILING DATE: 1994-03-29
<150> PRIOR APPLICATION NUMBER: 08/459,766
<151> PRIOR FILING DATE: 1995-06-02
<160> NUMBER OF SEQ ID NOS: 8
<170> SOFTWARE: PatentIn version 3.1
<210> SEQ ID NO: 1
<211> LENGTH: 39
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1
ctagccactg aagcttcacc atgggtgtac tgctcacac 39
<210> SEQ ID NO: 2
<211> LENGTH: 39
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 2
tggcatgggc tcctgatcag gcttagaagg tccgggaaa 39
<210> SEQ ID NO: 3
<211> LENGTH: 39
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 3
tttgggctcc tgatcaggaa aatgctcttg cttggttgt 39
<210> SEQ ID NO: 4
<211> LENGTH: 84
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 4

RAW SEQUENCE LISTING DATE: 08/05/2003
PATENT APPLICATION: **US/09/666,267B** TIME: 07:43:32

Input Set : **A:\ON0065C Div1.ST25.txt**
Output Set: **N:\CRF4\08052003\I666267B.raw**

```
     67 aagcaagagc attttcctga tcaggagccc aaatcttctg acaaaactca cacatcccca      60
     69 ccgtccccag cacctgaact cctg                                            84
     72 <210> SEQ ID NO: 5
     73 <211> LENGTH: 41
     74 <212> TYPE: DNA
     75 <213> ORGANISM: Homo sapiens
     77 <400> SEQUENCE: 5
     78 cttcgaccag tctagaagca tcctcgtgcg accgcgagag c                          41
     81 <210> SEQ ID NO: 6
     82 <211> LENGTH: 47
     83 <212> TYPE: DNA
     84 <213> ORGANISM: Homo sapiens
     86 <400> SEQUENCE: 6
     87 cattgcacag tcaagcttcc atgcccatgg gttctctggc caccttg                    47
     90 <210> SEQ ID NO: 7
     91 <211> LENGTH: 39
     92 <212> TYPE: DNA
     93 <213> ORGANISM: Homo sapiens
     95 <400> SEQUENCE: 7
     96 atccacagtg cagtgatcat ttggatcctg gcatgtgac                             39
     99 <210> SEQ ID NO: 8
    100 <211> LENGTH: 216
    101 <212> TYPE: PRT
    102 <213> ORGANISM: Homo sapiens
    104 <300> PUBLICATION INFORMATION:
    105 <301> AUTHORs: Gordon J. Freeman, Arnold S. Freedman, Jeffrey M. Segil, Grace Lee,
James F. Whitman and Lee M. Nadler
    106 <302> TITLE: B7, A NEW MEMBER OF THE Ig SUPERFAMILY WITH UNIQUE EXPRESSION ON
ACTIVATED AND NEOPLASTIC B CELLS
    107 <303> JOURNAL: J. Immunol.
    108 <304> VOLUME: 143
    109 <305> ISSUE: 8
    110 <306> PAGES: 2714 TO 2722
    111 <307> DATE: 1989-10-15
W--> 112 <309> DATABASE ENTRY DATE:
    113 <313> RELEVANT RESIDUES: (1)..(216)
    115 <400> SEQUENCE: 8
    117 Gly Leu Ser His Phe Cys Ser Gly Val Ile His Val Thr Lys Glu Val
    118 1               5                  10                  15
    121 Lys Glu Val Ala Thr Leu Ser Cys Gly His Asn Val Ser Val Glu Glu
    122             20                  25                  30
    125 Leu Ala Gln Thr Arg Ile Tyr Trp Gln Lys Glu Lys Lys Met Val Leu
    126         35                  40                  45
    129 Thr Met Met Ser Gly Asp Met Asn Ile Trp Pro Glu Tyr Lys Asn Arg
    130     50                  55                  60
    133 Thr Ile Phe Asp Ile Thr Asn Asn Leu Ser Ile Val Ile Leu Ala Leu
    134 65                  70                  75                  80
    137 Arg Pro Ser Asp Glu Gly Thr Tyr Glu Cys Val Val Leu Lys Tyr Glu
    138                 85                  90                  95
    141 Lys Asp Ala Phe Lys Arg Glu His Leu Ala Glu Val Thr Leu Ser Val
    142             100                 105                 110
```

RAW SEQUENCE LISTING DATE: 08/05/2003
PATENT APPLICATION: US/09/666,267B TIME: 07:43:32

Input Set : A:\ON0065C Div1.ST25.txt
Output Set: N:\CRF4\08052003\I666267B.raw

```
145 Lys Ala Asp Phe Pro Thr Pro Ser Ile Ser Asp Phe Glu Ile Pro Thr
146         115                 120                 125
149 Ser Asn Ile Arg Arg Ile Ile Cys Ser Thr Ser Gly Gly Phe Pro Glu
150     130                 135                 140
153 Pro His Leu Ser Trp Leu Glu Asn Gly Glu Glu Leu Asn Ala Ile Asn
154 145                 150                 155                 160
157 Thr Thr Val Ser Gln Asp Pro Glu Thr Glu Leu Tyr Ala Val Ser Ser
158                 165                 170                 175
161 Lys Leu Asp Phe Asn Met Thr Thr Asn His Ser Phe Met Cys Leu Ile
162             180                 185                 190
165 Lys Tyr Gly His Leu Arg Val Asn Gln Thr Phe Asn Trp Asn Thr Thr
166         195                 200                 205
169 Lys Gln Glu His Phe Pro Asp Asn
170     210                 215
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/05/2003
PATENT APPLICATION: **US/09/666,267B** TIME: 07:43:33

Input Set : **A:\ON0065C Div1.ST25.txt**
Output Set: **N:\CRF4\08052003\I666267B.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:8; Line(s) 105,106

VERIFICATION SUMMARY DATE: 08/05/2003
PATENT APPLICATION: **US/09/666,267B** TIME: 07:43:33

Input Set : **A:\ON0065C Div1.ST25.txt**
Output Set: **N:\CRF4\08052003\I666267B.raw**

L:112 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:8